

21303-XXXX

22184-XXXX

**MATERIAL SAFETY DATA SHEET**

MSDS #: 00021

Identity: **AD MARKER - STANDARD COLORS, MANGA, BLENDER, FURNITURE, FRAME,  
And FINE POINT**

**Section I***Supplier Information:*

Name: **Chartpak**  
Address: **One River Road**  
City: **Leeds**  
State: **MA 01053**

Emergency Telephone Number  
**800-424-9300**  
Telephone Number for Information  
**413-584-5446**  
Chemtrec  
**1-800-424-9300**  
Date Prepared: **May 18, 2011**

*Other Information:*

NA = NOT APPLICABLE OR NOT AVAILABLE

REVISION: 05

**Section II - Hazardous ingredients/Identity Information**

Hazardous Components (Spec., Chem., Ident.; Common Name)	OSHA PEL	ACGIH TLV	CAS #	% (opt.)
<b>NONYLPHENOL</b>	<b>NE</b>	<b>NE</b>	<b>25154-52-3</b>	<b>10.0</b>
<b>XYLENE</b>	<b>100PPM</b>	<b>100PPM</b>	<b>01330-20-7</b>	<b>94.0</b>

ABOVE % ARE A MAX. VALUE IN RANGE

**Section III - Physical/Chemical Characteristics**

Boiling Point <b>279.00° F</b> <b>137.22° F</b> <b>760.00 MM HG</b>	Specific Gravity (H2O = 1)
Vapor Pressure (mm Hg) <b>5.10 MM HG</b> <b>68.00° F</b> <b>20.00° C</b>	Melting Point <b>NA</b>
Vapor Density (AIR = 1) <b>&lt;1</b>	Evaporation Rate (Butyl Acetate = 1) <b>&lt;1</b>
Solubility in Water <b>NA</b>	

AD MARKER - STANDARD COLORS &amp; BLENDER 00021

Page 2 of 5

Appearance and Odor  
**COLORED LIQUID, AROMATIC ODOR**

Other Information

**NONE**


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**Section IV - Fire and Explosion Hazard Data**


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Flash Point (Method Used) TCC  
80°FFlammable Limits  
LEL NA

UEL NA

Extinguishing Media  
CARBON DIOXIDE EXTINGUISHERSpecial Fire Fighting Procedures  
NONEUnusual Fire and Explosion Hazards  
NONEOther Information  
NONE

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**Section V - Reactivity Data**


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Stability --> STABLE  
Conditions to Avoid  
NONEIncompatibility (Materials to Avoid)  
NONEHazardous Decomposition or Byproducts  
NONE

AD MARKER - STANDARD COLORS &amp; BLENDER 00021

Page 3 of 5

Hazardous Polymerization --> **WILL NOT OCCUR**  
Conditions to Avoid  
**NONE**

Other Information  
**NONE**

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**Section VI - Health Hazard Data**

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Routes of Entry: Inhalation? **YES**      Skin? **YES**      Ingestion? **NO**

Health Hazards (Acute and Chronic)

**CHARTPAK MARKERS ARE INTENDED FOR USE AS GRAPHIC ARTS PENS  
OR ARTIST MARKERS. INTENTIONAL MISUSE OR ABUSE BY CONCENTRATION  
OF VAPORS OR BY INGESTION COULD BE HARMFUL OR FATAL.**

Carcinogenicity: NTP? **NO**      IARC Monographs? **NO**      OSHA Regulated? **NO**

Signs and Symptoms of Exposure  
**VARIES BUT USUALLY DIZZINESS.**

Medical Conditions Generally Aggravated by Exposure  
**NOT KNOWN**

Emergency and First Aid Procedures  
**WASH EYES AND SKIN WITH COPIOUS AMOUNTS OF WATER.**

Other Information  
**NONE**

AD MARKER - STANDARD COLORS &amp; BLENDER 00021

Page 4 of 5

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**Section VII - Precautions for Safe Handling and Use**


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Steps to be Taken in Case Material is Released or Spilled  
**NA**

Waste Disposal Method  
**DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS**

Precautions to be Taken in Handling or Storage  
**KEEP IN COOL DRY PLACE.**

Other Precautions  
**NONE**

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**Section VIII - Control Measures**


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Respiratory Protection (Specify Type)  
**NA**

Ventilation:

Local Exhaust

**NA**

Mechanical (General)

**NA**

Protective Gloves

**NA**

Other Protective Clothing or Equipment

**NA**

Work/Hygienic Practices

**NA**

Other Information

**NA**

Special

**NA**

Other

**NA**

Eye Protection

**NA**

AD MARKER - STANDARD COLORS & BLENDER 00021

Page 5 of 5

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**Section IX - Additional Information**

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Additional Information  
**THE INFORMATION PROVIDED ABOVE IS OBTAINED FROM OUR RAW MATERIALS SUPPLIERS  
AND TO THE BEST OF OUR KNOWLEDGE IS CORRECT.**